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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional application under 37 C.F.R. § 1.53(b))

Attorney Docket No.	IN-9510CIP-2
First Named Inventor	Koichi TAKAMURA
Filing Date	April 20, 2004
Title	INORGANIC-ORGANIC POLYMER NANOCOMPOSITE AND METHODS FOR MAKING AND USING
Express Mail Certificate	ER 693 668 737 US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents

ADDRESS TO: Commissioner for Patents, P.O. BOX 1450, Alexandria, Virginia 22313-1450

1. ☒ Fee Transmittal Form (e.g. PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.
See 37 CFR 1.27.
3. ☒ Specification [Total Pages **18**]
-(preferred arrangement set forth below)
- Descriptive title of the invention
- Cross References to Related Application
- Statement Regarding Fed sponsored R & D
- Reference to Microfiche Appendix
- Background of the invention
- Brief Summary of the invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

7. ☐ CD-ROM or CD-R in duplicate, large table or
Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
- a. ☐ Computer Readable Form (CRF)
- b. Specification Sequence Listing on:
- i. ☐ CD-ROM or CD-R (2 copies); or
- ii. ☐ paper
- ☐ Statements verifying identify of above copies

4. ☒ Drawing(s) (35 U.S.C.113) [Total Sheets **04**]
5. ☒ Oath or Declaration [Total Sheets ☐]
a. ☒ Newly executed (original or copy)
b. ☐ Copy from a prior application (37 CFR § 1.63(d))
(for continuation/divisional with Box 17 completed)
i. ☐ DELETION OF INVENTOR(S)
Signed statement attached deleting
6. ☒ Application Data Sheet. See 37 CFR 1.76

ACCOMPANYING APPLICATION PARTS

- ☒ Assignment Papers (cover sheet & document(s))
10. ☒ 37 CFR§3.73(b) Statement ☐ Power Of Attorney
(when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☒ Information Disclosure Statement (IDS)/ PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. ☐ other:

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment;

☐ Continuation ☐ Divisional ☒ Continuation-in-part (CIP) of prior application No 10/332,894, filed 14 January 2003, which is a national stage application of International Application No. PCT/US02/33343, which was filed on 18 June 2002, which is a continuation-in-part of International Application No. PCT/US01/44988, which was filed on 20 November 2001 (20.11.01), which claims priority to U.S. Serial No. 09/790,273, filed on 21 February 2001 (21.02.01), and to U.S. Serial No. 60/256,709, filed on 18 December 2000 (18.12.00), and International Application No. PCT/US01/44988, which was filed on 20 November 2001 (20.11.01), which claims priority to U.S. Serial No. 09/790,273, filed on 21 February 2001 (21.02.01), and to U.S. Serial No. 60/256,709, filed on 18 December 2000 (18.12.00)

Prior application information:

Examiner 1714

Group/Art Unit:

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application from which an oath or declaration is supplied under Box 4b, is considered to be part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

18. CORRESPONDENCE ADDRESS

☒ Customer Number **26922** or ☐ Correspondence address below

Country	USA	Telephone	(248) 948-2355	Fax	(248) 948-2093
Name (print Type)	Michael F. Morgan	Registration No. (Attorney Agent)	33,772		
Signature		Date	April 20, 2004		

16310 U.S. PTO

FEE TRANSMITTAL

For FY 2004

Patent fees are subject to annual revision.

Application Number

Filing Date

April 20, 2004

First Named Inventor

Koichi TAKAMURA

Examiner Name

Art Unit

Attorney Docket No.

IN-9510CIP-2

Express Mail Certificate

ER 693 668 737 US

Customer Number

26922

TOTAL AMOUNT OF PAYMENT | \$810.00**METHOD OF PAYMENT (check all that apply)**☒ Deposit Account: ☐ Credit Card ☐ Check

Deposit Account Number

23-3425

Deposit Account Name

BASF CORPORATION

The Director is authorized to: (check all that apply)

☒ Change fees indicated below ☒ Credit any overpayments
☒ Charge any additional fee(s) or any underpayment of fee(s)
☐ Charge fee(s) indicated below, **except for the filing fee** to the above-identified deposit account

FEE CALCULATION**1. BASIC FILING FEE**

Large Entity

Fee	Code	Fee Description	
1001	740	Utility filing fee	\$770.00
1002	340	Design filing fee	
1003	530	Plant filing fee	
1004	770	Reissue filing fee	
1005	160	Provisional filing fee	
SUBTOTAL (1)			\$770.00

2. EXTRA CLAIM FEES

Extra Claims Fee from below Fee Paid

Total Claims **13** -20** = **13** x **18** =

Independent

Claims **01** - 3** = **1** x **86** =

Multiple Dependent

290 =

**Or number previously paid, if greater; For Reissues, see below

Large Entity

Fee Code	Fee (\$)	Fee Description
1202	18	Claims in excess of 20
1201	86	Independent claims in excess of 3
1203	290	Multiple dependent claims, if not paid
1204	86	**Reissue independent claims over original patent
1205	18	**Reissue claims in excess of 20 and over original patent
SUBTOTAL (2)		

(\$)

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)**3. ADDITION FEES**

Large Entity

Fee Description

Fee Paid

Fee Code

Fee (\$)

1051	130	Surcharge -late filing fee or oath	
1052	50	Surcharge-late provisional fee or Cover sheet	
1053	130	Non-English specification	
1812	2,520	For filing a request for ex parte reexamination	
1804	920*	Requesting publication of SIR prior to Examiner action	
1850	1,840*	Requesting publication of SIR after Examiner action	
1251	110	Extension for reply within first month	
1252	420	Extension for reply within second month	
1253	950	Extension for reply within third month	
1254	1,480	Extension for reply within fourth month	
1255	2,010	Extension for reply within fifth month	
1401	330	Notice of Appeal	
1402	330	Filing a brief in support of an appeal	
1403	290	Request for oral hearing	
1451	1,510	Petition to institute public use proceeding	
1452	110	Petition to revive-unavoidable	
1453	1,330	Petition to revive-unintentional	
1501	1,330	Utility issue fee (or reissue)	
1502	480	Design issue fee	
1503	640	Plant issue fee	
1460	130	Petitions to the Commissioner	
1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	Submission information Disclosure Stmt	
8021	40	Recording each patent assignment per property (times number of properties)	\$40.
1809	770	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	770	For each additional invention to be examined (37 CFR 1.129(b))	
1801	770	Request for Continued Examination (RCE)	
1802	900	Request for expedited examination of a design application	

Other fee (specify) _____

Reduced by Basic Filing Fee Paid

SUBTOTAL (3)(\$)**40.00**

Country

USA

Telephone

(248) 948-2355

Fax

(248) 948-2093

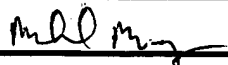
Name (print Type)

Michael F. Morgan

Registration No. (Attorney Agent)

42,906

Signature



Date

April 20, 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Koichi TAKAMURA et al.

Serial No.:

Group Art Unit: Not Assigned

Filed: April 20, 2004

Examiner: Not Assigned

For: INORGANIC-ORGANIC POLYMER NANOCOMPOSITE AND METHODS FOR MAKING AND USING

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

EXPRESS MAIL CERTIFICATE

"Express Mail" label number **ER 693 668 737 US** Date of Deposit **April 20, 2004**


I hereby certify that the following attached paper or fee

<input checked="" type="checkbox"/>	Patent Application Data Sheet	01	Page(s)
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is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

Marjorie Ellis

(Typed or printed name of person mailing paper or fee)



Signature of person mailing paper or fee)

Note: Each paper must have its own certificate and the "Express Mail" label number as a part thereof or attached thereto. When, as here, the certification is presented on a separate sheet, that sheet must (1) **be signed** and (2) **fully identify and be securely attached to the paper or fee it accompanies**. Identification should include the serial number and filing date of the application as well as the type of paper being filed, e.g.

complete application, specification and drawings, responses to rejection or refusal, notice of appeal, etc. if the serial number of the application is not known, the identification should include at least the name of the inventor(s) and the title of the invention.

Note: The label number need not be placed on each page. It should, however, be placed on the first page of each separate document, such as, a new application, amendment, assignment, and transmittal letter for a fee, along with the certificate of mailing by "Express Mail." Although the label number may be on checks, such a practice is not required. In order not to deface formal drawings it is suggested that the label number be placed on the back of each formal drawing of the drawings be accompanied by a set of informal drawings on which the label number is placed.

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Serial No.:

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X	Declaration and Power of Attorney
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Marjorie Ellis

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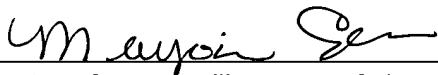
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<input checked="checked" type="checkbox"/> English Application			
Specification on	<table border="1"><tr><td>14</td></tr><tr><td>01</td></tr></table> pages;	14	01
14			
01			
the abstract on	<table border="1"><tr><td>03</td></tr><tr><td>04</td></tr></table> pages;	03	04
03			
04			
	claims on		
	drawings on		
	page(s).		

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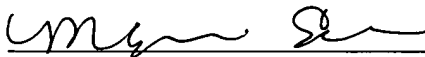
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<input checked="" type="checkbox"/>	Information Disclosure Statement
<input checked="" type="checkbox"/>	From PTO-1449
<input type="checkbox"/>	Cited References

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